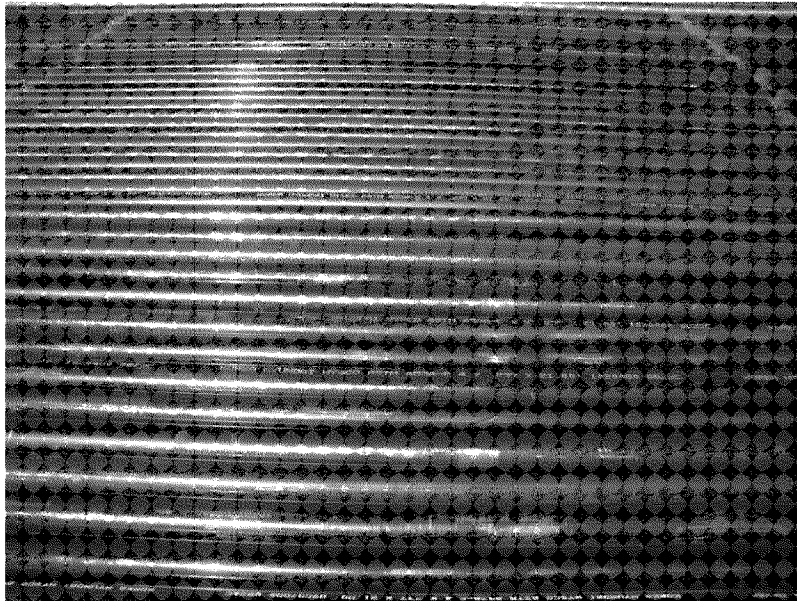


Photo of “racked” steel pipe for use at Pavillion site



Close up of labels on pipe – ASTM A53A-E (A signifies grade and –E signifies type)



State Requirements

26 - 7 (a) The casing shall provide structural stability to prevent casing collapse during installation as well as drillhole wall integrity when installed, be of required size to convey liquid at a specified injection/recovery rate and pressure, and be of required size to allow for sampling.

- (i) Steel casing shall meet the following conditions:
 - (A) Standard and line pipe. This material shall meet one of the following specifications:
 - (I) API Std. 5L, "Specifications for Line Pipe."
 - (II) API Std. 5LX, "Specifications for High-Test Line Pipe."
 - (III) **ASTM A53 "Standard Specification for Pipe Steel, Black and Hot Dipped, Zinc Coated Welded and Seamless."**

A53 pipe comes in three types and two grades, **A53 Type F**, which is longitudinally furnace butt welded or continuous welded (Grade A only), **A53 Type E**, which is longitudinally electric resistance welded (Grades A and B). The pipe used at Pavillion was Grade A. The state standard for this pipe does not specify type or grade.

Photo of the steel pre-packed screen being lowered into MW02

